

PATENT

Serial No. 10/507,182

Amendment in Reply to Office Action mailed on December 12, 2005

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A reflector lamp with a light source ~~(22)~~, ~~a main or secondary reflector (12)~~, a neck portion extending from said main reflector, and at least one primary reflector (25) which is ~~provided for~~ configured to provide an at least substantial reflection through the light source ~~(22)~~ onto the main reflector ~~(12)~~ of those light portions originating from the light source ~~(22)~~ which propagate in the direction of optically inactivated regions of the main reflector ~~(12)~~ or regions of the main reflector ~~(12)~~ obscured by other objects, wherein at least a portion of said at least one primary reflector is located within said neck portion.

2. (Currently Amended) ~~A~~ The reflector lamp as claimed in claim 1, wherein said optically inactivated regions are formed by a

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through passage in the main reflector ~~(12)~~ which is provided for a lamp ~~(2)~~ comprising the light source ~~(22)~~.

3. (Currently Amended) A The reflector lamp as claimed in claim 1, wherein said objects are fastening means, cooling means, ignition means, or other means provided for activating and/or operating the light source ~~(22)~~.

4. (Currently Amended) A The reflector lamp as claimed in claim 1, wherein the primary reflector is formed by an optically reflecting coating ~~(25)~~ which is provided on a surface of a lamp ~~(2)~~ comprising the light source ~~(22)~~.

5. (Currently Amended) A The reflector lamp as claimed in claim 4, wherein the optically reflecting coating ~~(25)~~ is formed by a metal layer or by a plurality of dielectric layers or dichroic filters.

6. (Currently Amended) A The reflector lamp as claimed in claim 1, ~~which comprises further comprising~~ a reflector body ~~(1)~~

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with a reflector portion (11) supporting the main reflector, (12) and a said neck portion (13) being configured for introducing a lamp (2) comprising the light source (22), such that the geometric continuation of the main reflector (12) passes through the burner (21) of the lamp (2).

7. (Currently Amended) A The reflector lamp as claimed in claim 1, ~~which comprises further comprising~~ a reflector body (1) with a reflector portion (11) supporting the main reflector, (12) and a said neck portion (13) being configured for introducing a lamp (2) comprising the light source (22), ~~such that the focal distance of the main reflector (12) is smaller than the radius of the burner (21) of the accommodated lamp (2).~~

8. (Currently Amended) A The reflector lamp as claimed in claim 1, wherein the light source (22) is an arc discharge in a high-pressure gas discharge lamp (2).

9. (Previously Presented) A projection system with at least one reflector lamp as claimed in claim 1.

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10.(New) A lamp comprising:
a discharge vessel configured to sustain a discharge;
a vessel reflector at least partially covering said discharge vessel;
a reflection portion covered with a further reflector; and
a neck portion extending from said reflection portion;
wherein at least a portion of said discharge vessel is located within said neck portion.

11.(New) The lamp of claim 10, wherein at least a portion of said vessel reflector is located within said neck portion.

12.(New) The lamp of claim 10, wherein a geometric continuation of the further reflector passes through the discharge vessel.

13.(New) A lamp comprising:
an envelope configured to include a light source;
an envelope reflector at least partially covering said

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envelope;

a reflection portion covered with a further reflector; and

a neck portion extending from said reflection portion;

wherein at least a portion of said discharge vessel is located within said neck portion.

14. (New) The lamp of claim 13, wherein at least a portion of said envelope reflector is located within said neck portion.

15. (New) The lamp of claim 13, wherein a geometric continuation of the further reflector passes through the envelope.